Title (en)

PROCESS AND APPARATUS FOR THE CONTINUOUS FILTRATION OF LIQUIDS

Publication

EP 0291538 B1 19901128 (DE)

Application

EP 87106976 A 19870514

Priority

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Abstract (en)

[origin: JPS644209A] PURPOSE: To effectively filter liquid with a lower cost by disposing a microfilter as a prefilter before a filter bed consisting of filter particles without an intermediate space. CONSTITUTION: The liquid to be filtered is distributed uniformly across a cross section and is supplied into an internal space 15 via a pipe 14 and a perforated supply plate 32. The liquid passes a sieve textile as the microfilter from the internal space 15 and flows into the annular space filled with the filter particles 32, such as sand, from which the liquid further flows into the annular space 12a on the outer side and is discharged as filtered fluid from an outflow pipe piece 13. The heavy flocculated dirt particles settled in the microfilter are settled downward to the annular space in the internal space 15 and, thereafter, the dirt particles are taken out of the filter particles 32 flowing downward to the filter bed by the operation of an air bubble pump 17.

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